

Mechanical Power Transmission Equipment Manufacturing: 2002

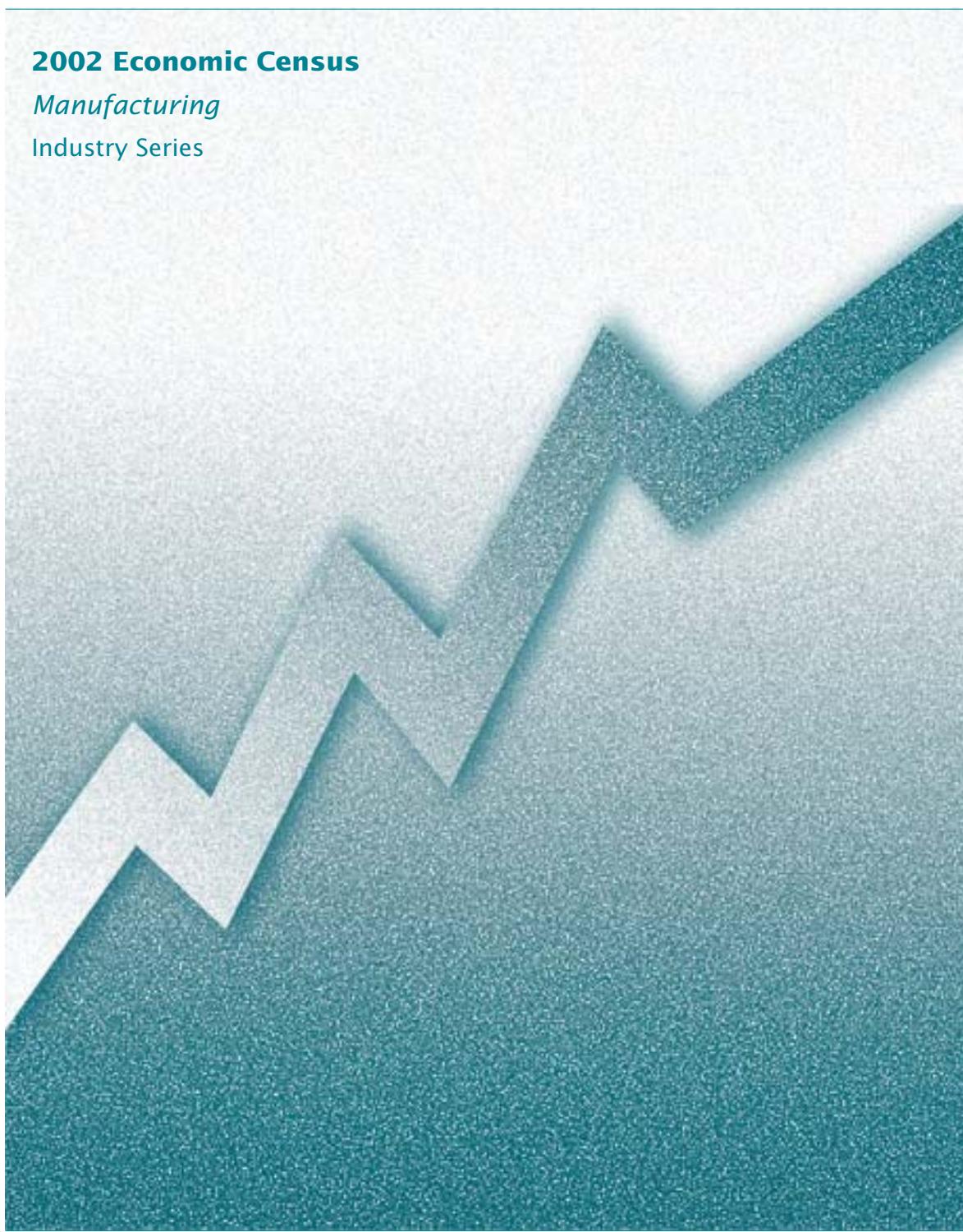
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2002 Economic Census

Manufacturing

Industry Series



U.S. CENSUS BUREAU

Helping You Make Informed Decisions

U.S. Department of Commerce
Economics and Statistics Administration
U.S. CENSUS BUREAU



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-- Not applicable for this report.

Table 1. Historical Statistics for the Industry: 2002 and Earlier Years

[Data based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Industry and year ¹	Com- panies ²	All estab- lish- ments ³	All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expendi- tures (\$1,000)
			Number ⁴	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
333613, Mechanical power transmission equipment manufacturing	202	251	16 389	657 673	11 541	23 449	401 920	1 639 727	1 110 174	2 769 535	'85 529
2001..	N	N	20 071	778 876	13 616	26 534	449 981	1 799 698	1 355 503	3 173 734	122 354
2000..	N	N	21 644	823 347	14 734	28 704	481 526	1 981 821	1 451 355	3 401 142	115 136
1999..	N	N	21 966	782 969	14 923	29 819	466 480	1 902 567	1 405 820	3 301 591	148 674
1998..	N	N	21 714	788 564	15 143	31 044	483 083	1 984 338	1 459 368	3 421 521	119 315
1997..	259	297	21 271	759 037	14 971	30 206	465 440	1 886 164	1 389 199	3 252 399	132 116

¹Statistics presented for years ending in 2 and 7 are census data. Interim census years are derived in a representative sample of manufacturing establishments canvassed in the Annual Survey of Manufactures (ASM).

²For the census, a company is defined as a business organization consisting of one establishment or more under common ownership or control.

³Includes establishments with payroll at any time during the year.

⁴Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Note: The data in this table are based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain sampling errors and nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 2. Industry Statistics for Selected States: 2002

[States that are a disclosure or with less than 100 employees are not shown. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For information on geographic areas followed by *, see Appendix D. For meaning of abbreviations and symbols, see introductory text]

Industry and geographic area	All establishments ²		All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
	E ¹	Total	With 20 employees or more	Number ³	Payroll (\$1,000)	Number ³	Hours (1,000)	Wages (\$1,000)			
333613, Mechanical power transmission equipment manufacturing											
United States.....	1	251	135	16 389	657 673	11 541	23 449	401 920	1 639 727	1 110 174	2 769 535
California	1	21	8	636	23 616	445	971	14 764	57 101	27 790	85 068
Connecticut	1	7	3	507	22 963	350	717	13 709	51 111	17 857	68 580
Michigan	-	19	8	950	44 102	741	1 563	31 131	100 090	45 414	142 343
Minnesota	1	5	4	347	14 269	191	440	5 961	33 270	17 021	48 820
New York	-	8	4	662	21 962	505	915	13 842	67 360	29 826	96 491
Ohio	5	18	10	1 006	44 018	583	1 252	20 801	163 209	77 151	237 103
Oregon	1	7	2	159	5 846	122	230	3 352	10 512	4 157	14 849
Pennsylvania.....	-	9	5	702	31 011	439	906	19 016	82 247	35 315	123 834
Texas	-	22	9	1 036	33 953	758	1 664	23 730	81 240	62 120	143 543
Wisconsin	-	23	16	2 232	100 191	1 665	3 178	65 955	257 999	160 343	419 552

¹Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at the time data were tabulated. The following symbols are shown where estimated data account for 10 percent or more of the figures shown: 1–10 to 19 percent; 2–20 to 29 percent; 3–30 to 39 percent; 4–40 to 49 percent; 5–50 to 59 percent; 6–60 to 69 percent; 7–70 to 79 percent; 8–80 to 89 percent; 9–90 percent or more.

²Includes establishments with payroll at any time during the year.

³Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C. For geographical definitions, see Appendix D.

Table 3. Detailed Statistics by Industry: 2002

[Data based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Item	Value
333613, Mechanical power transmission equipment manufacturing	
Companies ¹	number.. 202
All establishments ²	number.. 251
Establishments with 1 to 19 employees	number.. 116
Establishments with 20 to 99 employees	number.. 87
Establishments with 100 employees or more	number.. 48
All employees ³	number.. 16 389
Total compensation	\$1,000.. 855 414
Annual payroll	\$1,000.. 657 673
Total fringe benefits	\$1,000.. 197 741
Production workers, average for year	number.. 11 541
Production workers on March 12	number.. 11 510
Production workers on May 12	number.. 11 746
Production workers on August 12	number.. 11 502
Production workers on November 12	number.. 11 362
Production worker hours	1,000.. 23 449
Production worker wages	\$1,000.. 401 920
Total cost of materials	\$1,000.. 1 110 174
Materials, parts, containers, packaging, etc., used	\$1,000.. 889 837
Resales	\$1,000.. 120 272
Purchased fuels	\$1,000.. 10 479
Purchased electricity	\$1,000.. 33 124
Contract work	\$1,000.. 56 462
Quantity of electricity purchased for heat and power	1,000 kWh.. 622 524
Quantity of electricity generated less sold for heat and power	1,000 kWh.. –
Total value of shipments	\$1,000.. 2 769 535
Primary products value of shipments	\$1,000.. 2 357 297
Secondary products value of shipments	\$1,000.. 237 467
Total miscellaneous receipts	\$1,000.. 174 771
Value of resales	\$1,000.. 159 651
Contract receipts	\$1,000.. 6 205
Other miscellaneous receipts	\$1,000.. 8 915
Primary products specialization ratio	percent.. 91
Value of primary products shipments made in all industries	\$1,000.. 2 688 622
Value of primary products shipments made in this industry	\$1,000.. 2 357 297
Value of primary products shipments made in other industries	\$1,000.. 331 325
Coverage ratio	percent.. 88
Value added	\$1,000.. 1 639 727
Total inventories, beginning of year	\$1,000.. 630 325
Finished goods inventories	\$1,000.. 302 540
Work-in-process inventories	\$1,000.. 217 326
Materials and supplies inventories	\$1,000.. 110 459
Total inventories, end of year	\$1,000.. 598 280
Finished goods inventories	\$1,000.. 286 724
Work-in-process inventories	\$1,000.. 213 508
Materials and supplies inventories	\$1,000.. 98 048
Gross value of depreciable assets (acquisition costs) at beginning of year	\$1,000.. '1 689 416
Total capital expenditures (new and used)	\$1,000.. '85 529
Buildings and other structures (new and used)	\$1,000.. '6 377
Machinery and equipment (new and used)	\$1,000.. '79 152
Automobiles, trucks, etc., for highway use	\$1,000.. '852
Computers and peripheral data processing equipment	\$1,000.. '15 294
All other expenditures for machinery and equipment	\$1,000.. '73 006
Total retirements	\$1,000.. '81 191
Gross value of depreciable assets at end of year	\$1,000.. '1 693 754
Depreciation charges during year	\$1,000.. '88 680
Total rental payments	\$1,000.. 21 571
Buildings and other structures	\$1,000.. 13 056
Machinery and equipment	\$1,000.. 8 515
Total other expenses ⁴	\$1,000.. 293 061
Response coverage ratio ⁵	percent.. 84
Repair and maintenance services of buildings and/or machinery ⁴	\$1,000.. 35 474
Communications services ⁴	\$1,000.. 7 032
Legal services ⁴	\$1,000.. 5 203
Accounting, auditing, and bookkeeping services ⁴	\$1,000.. 3 480
Advertising and promotional services ⁴	\$1,000.. 5 192
Expensed computer hardware and supplies and purchased computer services ⁴	\$1,000.. 7 095
Refuse removal (including hazardous waste) services ⁴	\$1,000.. 3 695
Management consulting and administrative services ⁴	\$1,000.. 9 160
Taxes and license fees ⁴	\$1,000.. 9 871
All other expenses ⁴	\$1,000.. 206 858

¹For the census, a company is defined as a business organization consisting of one establishment or more under common ownership or control.

²Includes establishments with payroll at any time during the year.

³Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

⁴Based on 2002 Annual Survey of Manufactures (ASM) sample data.

⁵A response coverage ratio is derived for this item by calculating the ratio of the weighted employment (establishment data multiplied by sample weight) for those Annual Survey of Manufactures (ASM) establishments that reported to the weighted total employment for all ASM establishments classified in this industry.

Note 1: The amounts shown for other expenses reflect only those services that establishments purchase from other companies.

Note 2: The data in this table are based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain sampling errors and nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 4. Industry Statistics by Employment Size: 2002

[Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Employment size class	E ¹	All estab- lishments ²	All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expendi- tures (\$1,000)
			Number ³	Payroll (\$1,000)	Number ³	Hours (1,000)	Wages (\$1,000)				
333613, Mechanical power transmission equipment manufacturing											
All establishments	1	251	16 389	657 673	11 541	23 449	401 920	1 639 727	1 110 174	2 769 535	'85 529
Establishments with—											
1 to 4 employees.....	9	48	111	3 548	67	111	1 902	7 922	4 314	12 289	'243
5 to 9 employees.....	8	38	260	9 796	184	367	5 411	27 924	15 766	43 390	'1 114
10 to 19 employees	3	30	435	18 102	274	548	8 221	43 531	20 841	64 014	'1 658
20 to 49 employees	—	57	1 932	72 261	1 308	2 585	40 624	168 247	174 197	347 521	'6 080
50 to 99 employees	2	30	2 167	80 456	1 525	3 209	49 749	236 639	122 942	354 419	'15 497
100 to 249 employees	—	28	4 338	166 758	2 943	6 073	93 923	425 460	232 811	675 661	'22 764
250 to 499 employees	1	17	5 479	225 557	4 010	7 882	151 096	593 467	449 356	1 038 019	'28 434
500 to 999 employees	—	3	1 667	81 195	1 230	2 674	50 994	136 537	89 947	234 222	9 739
1,000 to 2,499 employees	—	—	—	—	—	—	—	—	—	—	—
2,500 employees or more	—	—	—	—	—	—	—	—	—	—	—
Administrative records ⁴	9	67	316	12 018	219	414	6 461	29 189	17 293	46 482	'975

¹Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at the time data were tabulated. The following symbols are shown where estimated data account for 10 percent or more of the figures shown: 1–10 to 19 percent; 2–20 to 29 percent; 3–30 to 39 percent; 4–40 to 49 percent; 5–50 to 59 percent; 6–60 to 69 percent; 7–70 to 79 percent; 8–80 to 89 percent; 9–90 percent or more.

²Includes establishments with payroll at any time during the year.

³Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

⁴Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. Data are also included in respective size classes shown.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 5. Industry Statistics by Primary Product Class Specialization: 2002

[Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Industry or product class code	Industry or primary product class	All establishments ¹	All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Number ²	Payroll (\$1,000)	Number ²	Hours (1,000)	Wages (\$1,000)				
333613	Mechanical power transmission equipment manufacturing	251	16 389	657 673	11 541	23 449	401 920	1 639 727	1 110 174	2 769 535	'85 529
3336131	Plain bearings and bushings	54	3 456	132 834	2 640	5 446	90 983	314 435	223 113	534 715	'23 080
3336133	Mechanical power transmission equipment, except speed changers, drives, and gears	178	12 653	514 195	8 716	17 646	305 262	1 322 944	885 374	2 229 784	'62 352

¹Includes establishments with payroll at any time during the year.

²Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 6a. Products Statistics: 2002 and 1997

[Includes quantity and value of products of this industry produced by (1) establishments classified in this industry (primary) and (2) establishments classified in other industries (secondary). Transfers of products of this industry from one establishment of a company to another establishment of the same company (interplant transfers) are also included. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Product code	Product	Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments	
				Quantity	Value (\$1,000)
333613	Mechanical power transmission equipment manufacturing.....	2002.. N 1997.. N	X X	X X	2 688 622 3 023 510
3336131	Plain bearings and bushings	2002.. N 1997.. N	X X	X X	587 979 422 123
33361311	Plain bearings and bushings	2002.. N 1997.. N	X X	X X	587 979 405 707
3336131112	Plain bearings and bushings, unmounted, machined (except engine)	2002.. 61 1997.. 42	X X	X X	569 782 371 588
3336131151	Plain bearings, mounted (except engine)	2002.. 10 1997.. 8	X X	X X	18 197 34 119
3336131Y	Plain bearings and bushings, nsk	2002.. N 1997.. N	X X	X X	— 16 416
3336131YWV	Plain bearings and bushings, nsk	2002.. N 1997.. N	X X	X X	— 16 416
3336133	Mechanical power transmission equipment, except speed changers, drives, and gears	2002.. N 1997.. N	X X	X X	2 095 575 2 480 907
33361331	Friction-type clutches and brakes	2002.. N 1997.. N	X X	X X	152 198 239 988
3336133111	Friction-type clutches and brakes	2002.. 32 1997.. 24	X X	X X	152 198 239 988
33361332	Other clutches and brakes, including hydraulic couplings	2002.. N 1997.. N	X X	X X	113 987 185 450
3336133213	Hydraulic-type clutches and brakes, including hydraulic couplings	2002.. 10 1997.. 9	X X	X X	36 164 40 084
3336133219	All other clutches and brakes	2002.. 22 1997.. 16	X X	X X	77 823 145 366
33361333	Flexible couplings	2002.. N 1997.. N	X X	X X	197 507 294 151
3336133327	Gear-type flexible couplings	2002.. 15 1997.. 13	X X	X X	58 792 110 164
3336133329	Flexible couplings other than gear-type	2002.. 24 1997.. 17	X X	X X	138 715 183 987
33361334	Roller chains for sprocket drives, meeting any ASME or ANSI standard	2002.. N 1997.. N	X X	X X	230 151 207 524
3336133444	Roller chains for sprocket drives, meeting any ASME or ANSI standard	2002.. 9 1997.. 9	X X	X X	230 151 207 524
33361335	Other chains for sprocket drives	2002.. N 1997.. N	X X	X X	67 536 129 802
3336133545	Other chains for sprocket drives	2002.. 6 1997.. 6	X X	X X	67 536 129 802
33361336	Sheaves	2002.. N 1997.. N	X X	X X	126 425 153 207
3336133648	Single drive sheaves	2002.. 7 1997.. 11	X X	X X	80 912 83 514
3336133649	Multiple drive sheaves	2002.. 5 1997.. 9	X X	X X	45 513 69 693
33361337	All other miscellaneous mechanical power transmission equipment, except speed changers, drives, gears, and bearings	2002.. N 1997.. N	X X	X X	1 170 675 1 186 047
3336133756	Universal joints	2002.. 13 1997.. 16	X X	X X	68 852 136 101
3336133763	Sprockets	2002.. 40 1997.. 32	X X	X X	191 108 187 831
3336133767	Pulleys	2002.. 31 1997.. 23	X X	X X	72 877 54 042
3336133788	Marine propulsion gear transmissions and drives	2002.. 20 1997.. 14	X X	X X	171 803 90 154
3336133792	All other miscellaneous mechanical power transmission equipment, except parts	2002.. 36 1997.. 44	X X	X X	475 202 550 527
3336133798	Parts for mechanical power transmission equipment	2002.. 29 1997.. 29	X X	X X	190 833 167 392
3336133Y	Mechanical power transmission equipment, except speed changers, drives, and gears, nsk	2002.. N 1997.. N	X X	X X	37 096 84 738
3336133YWV	Mechanical power transmission equipment, except speed changers, drives, and gears, nsk	2002.. N 1997.. N	X X	X X	37 096 84 738
333613W	Mechanical power transmission equipment manufacturing, nsk, total	2002.. N 1997.. N	X X	X X	5 068 120 480
333613WY	Mechanical power transmission equipment manufacturing, nsk, total	2002.. N 1997.. N	X X	X X	5 068 120 480
333613WYWW	Mechanical power transmission equipment manufacturing, nsk, for nonadministrative-record establishments	2002.. N 1997.. N	X X	X X	402 47 561
333613WYWW	Mechanical power transmission equipment manufacturing, nsk, for administrative-record establishments	2002.. N 1997.. N	X X	X X	4 666 72 919

Note 1: For some establishments, data have been estimated from central unit values that are based on quantity-value relationships of reported data. The following symbols are used when percentage of each quantity figure estimated in this manner equals or exceeds 10 percent of published figure: p=10 to 19 percent estimated; q=20 to 29 percent estimated. If 30 percent or more is estimated, figure is replaced by S.

Note 2: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 6b. Product Class Shipments for Selected States: 2002 and 1997

[Product classes covered are those that are economically significant and whose production is geographically dispersed, provided dispersion is not approximated by data in Table 2. Also, product classes are not shown if they are miscellaneous or "not specified by kind" classes. Statistics for some states are withheld because they are either less than \$2 million in product class shipments or they disclose data for individual companies in 2002. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographic definitions, see note at end of table. For information on geographic areas followed by *, see Appendix D. For meaning of abbreviations and symbols, see introductory text]

NAICS product class code	Product class and geographic area	Value of product shipments (\$1,000)
3336131	Plain bearings and bushings	
	United States.....	2002.. 587 979 1997.. 422 123
	California	2002.. 47 217 1997.. 64 573
	New York	2002.. 2 113 1997.. N
	Pennsylvania.....	2002.. 11 511 1997.. 16 944
	Texas	2002.. 3 847 1997.. N
	Wisconsin	2002.. 45 700 1997.. 30 828
3336133	Mechanical power transmission equipment, except speed changers, drives, and gears	
	United States.....	2002.. 2 095 575 1997.. 2 480 907
	California	2002.. 27 674 1997.. 27 203
	Connecticut	2002.. 4 629 1997.. 14 096
	Michigan.....	2002.. 69 033 1997.. 127 901
	Minnesota	2002.. 45 467 1997.. 39 235
	New York	2002.. 107 150 1997.. 125 892
	Ohio	2002.. 222 954 1997.. 249 163
	Oregon	2002.. 9 156 1997.. 13 652
	Pennsylvania.....	2002.. 114 723 1997.. 117 052
	Texas	2002.. 112 122 1997.. 119 755
	Wisconsin	2002.. 344 567 1997.. 369 440

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C. For geographical definitions, see Appendix D.

Table 7. Materials Consumed by Kind: 2002 and 1997

[Includes quantity and cost of materials consumed or put into production by establishments classified only in this industry. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Material code	Material consumed	Quantity	Delivered cost (\$1,000)
333613	Mechanical power transmission equipment manufacturing		
00900001	Total materials	2002.. X 889 837 1997.. X 1 096 832	1 096 832
33272203	Metal bolts, nuts, screws, washers, rivets, and other screw machine products	2002.. X 13 074 1997.. X 27 506	13 074
33200095	Other fabricated metal products (excluding castings and forgings)	2002.. X 84 806 1997.. X 48 527	84 806
33211103	Cold iron and steel forgings	2002.. X 31 858 1997.. X 31 136	31 858
33211111	Other iron and steel forgings	2002.. X 14 591 1997.. X 16 520	14 591
33211201	Nonferrous forgings	2002.. X D 420 1997.. X	420
33151001	Iron and steel castings (rough and semifinished)	2002.. X 92 027 1997.. X 131 235	92 027
33152011	Nonferrous (aluminum, copper, etc.) castings (rough and semifinished)	2002.. X 13 904 1997.. X 21 052	13 904
33120007	Steel bars, bar shapes, and plate (excluding castings, forgings, and fabricated metal products)	2002.. X 106 573 1997.. X 160 897	106 573
33120016	Steel sheet and strip (including tinplate)	2002.. X 34 786 1997.. X N	34 786
33120033	All other steel shapes and forms (excluding castings, forgings, and fabricated metal products)	2002.. X 16 786 1997.. X 35 125	16 786
33142111	Copper and copper-base alloy shapes and forms (excluding castings, forgings, and fabricated metal products)	2002.. X 9 118 1997.. X 23 305	9 118
33100067	All other nonferrous shapes and forms (excluding castings, forgings, and fabricated metal products)	2002.. X 5 988 1997.. X N	5 988
00190060	Scrap, including iron, steel, aluminum and aluminum-base alloy (excluding home scrap)	2002.. X 2 616 1997.. X 9 007	2 616
33299105	Ball bearings (mounted or unmounted)	2002.. X 10 618 1997.. X 25 074	10 618
33299103	Roller bearings (mounted or unmounted)	2002.. X 6 827 1997.. X 17 562	6 827
33299107	Balls, rollers, cages, collars, races, and other antifriction bearing components and parts	2002.. X 56 092 1997.. X 26 175	56 092
33361305	Clutches, couplings, shafts, sprockets, and other mechanical power transmission equipment	2002.. X 54 397 1997.. X 153 318	54 397
33531207	Electric motors, generators, and parts	2002.. X D 9 798 1997.. X 9 798	D
32221001	Paperboard containers, boxes, and corrugated paperboard	2002.. X 4 881 1997.. X 11 559	4 881
32791001	Grinding wheels and other abrasive products, excluding industrial diamonds	2002.. X 2 541 1997.. X D	2 541
33399601	Fluid power pumps, motors, and hydrostatic transmissions (hydraulic and pneumatic)	2002.. X 4 692 1997.. X 16 800	4 692
33361809	Engines (diesel, semidiesel, gasoline, and other carburetor-type engines)	2002.. X D 1997.. X D	D
33510000	Special dies, tools, die sets, jigs, and fixtures (excluding cutting tools for machine tools)	2002.. X D 1997.. X 16 673	D
00970099	All other materials and components, parts, containers, and supplies	2002.. X 283 625 1997.. X 226 249	283 625
00971000	Materials, ingredients, containers, and supplies, nsk	2002.. X 32 180 1997.. X 84 219	226 249

Note 1: For some establishments, data have been estimated from central unit values that are based on quantity-value relationships of reported data. The following symbols are used when percentage of each quantity figure estimated in this manner equals or exceeds 10 percent of published figure: p=10 to 19 percent estimated; q=20 to 29 percent estimated. If 30 percent or more is estimated, figure is replaced by S.

Note 2: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.